

Heller Ehrman White & McAuliffe LLP
Title: "REFERENCE WAFER AND PROCESS FOR
MANUFACTURING SAME"
Inventor(s): A. Smith et al.
Atty Docket No.: 38203-6081B
Application No.: 10/765,223 - Filed: 01/26/2004
1/19

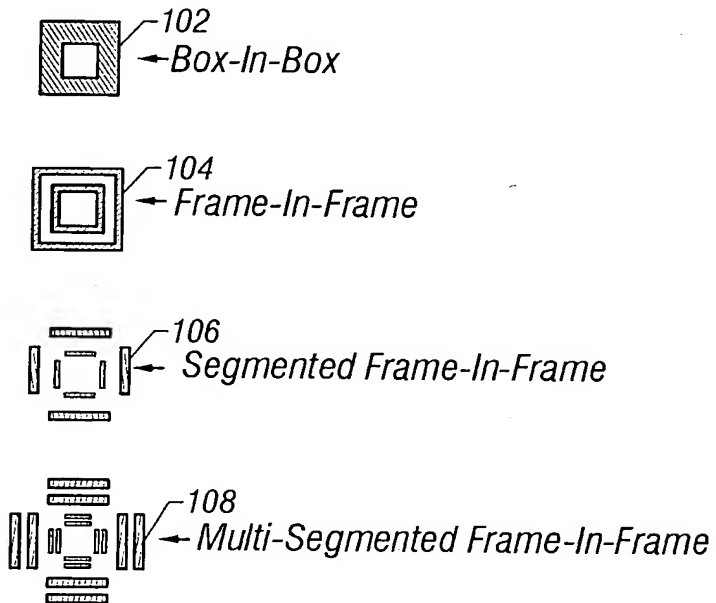


FIG. 1

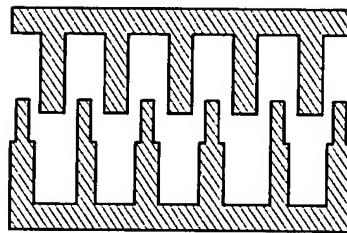


FIG. 2

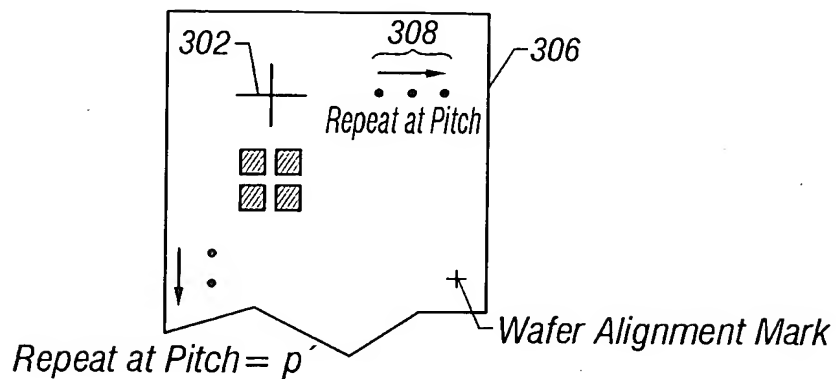


FIG. 3

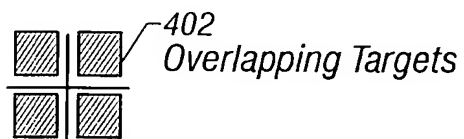


FIG. 4

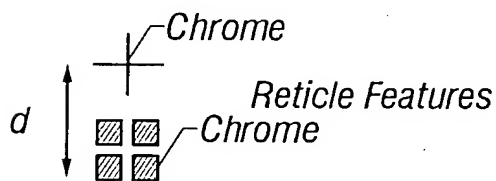


FIG. 5A

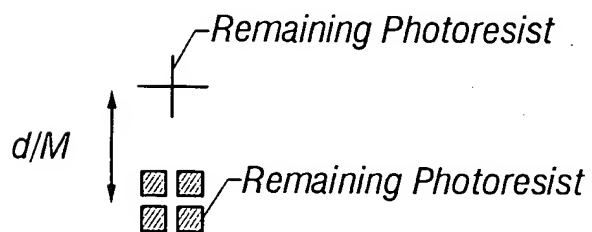


FIG. 5B

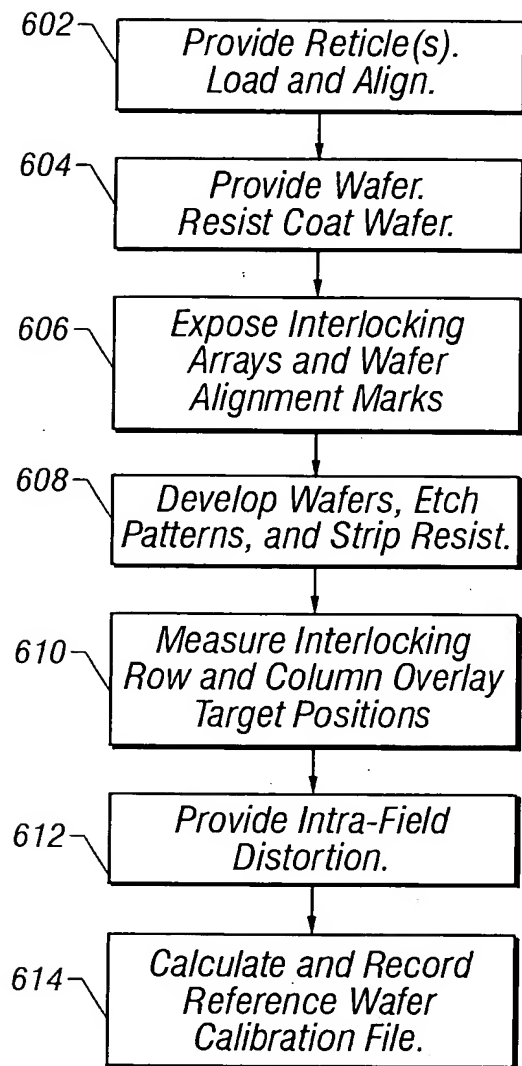


FIG. 6

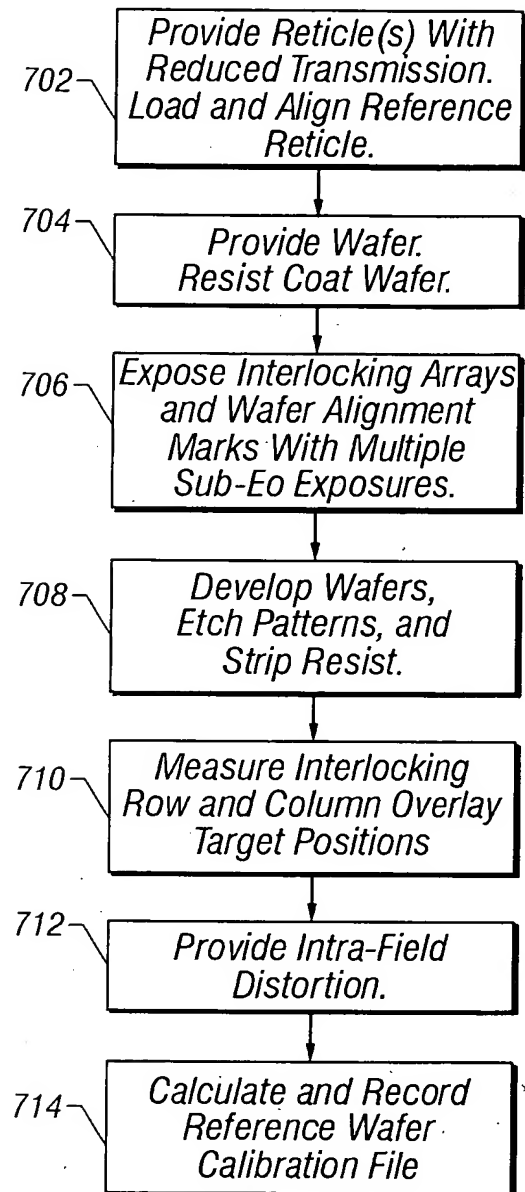


FIG. 7

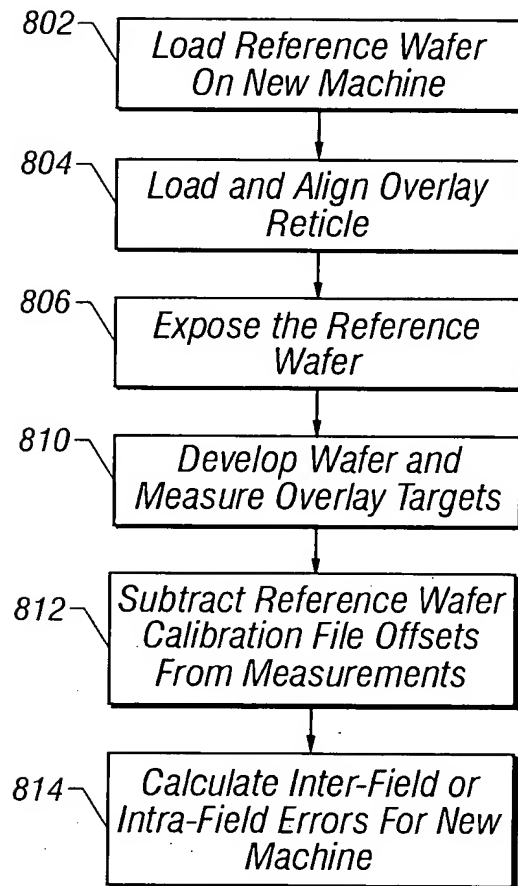


FIG. 8

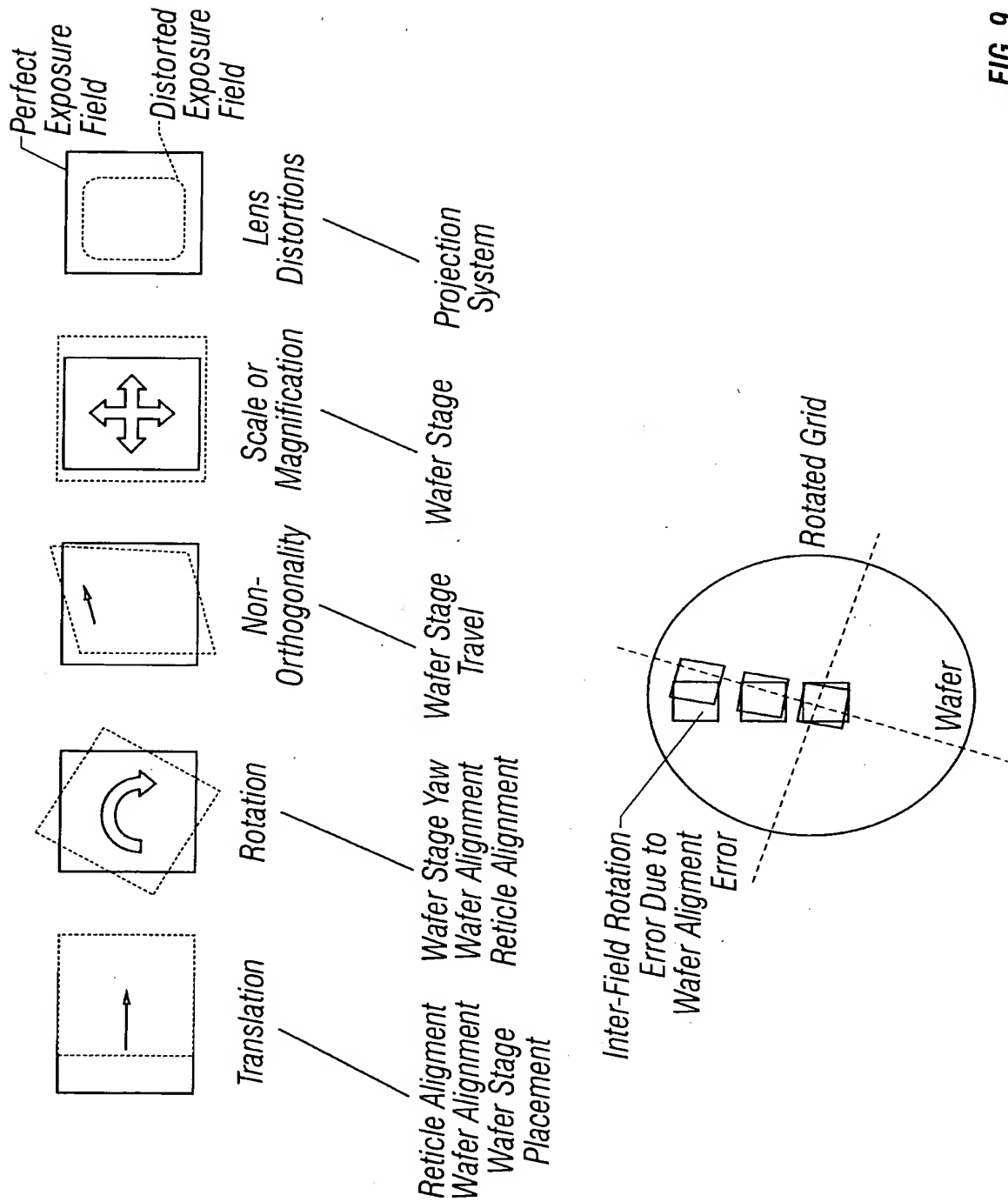


FIG. 9

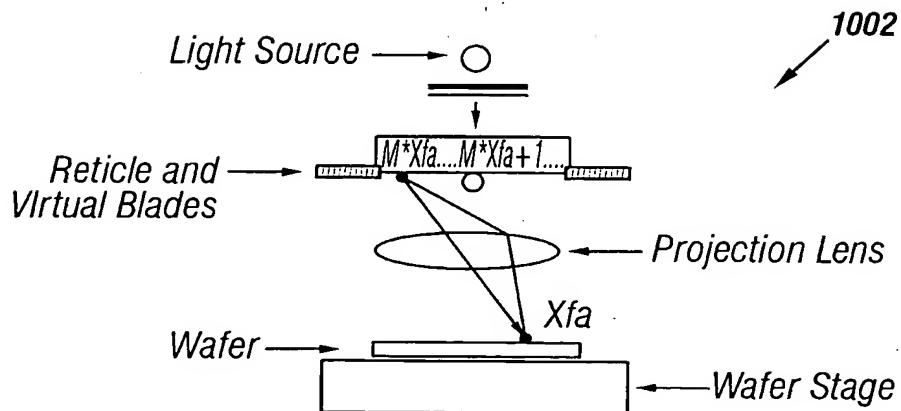


FIG. 10

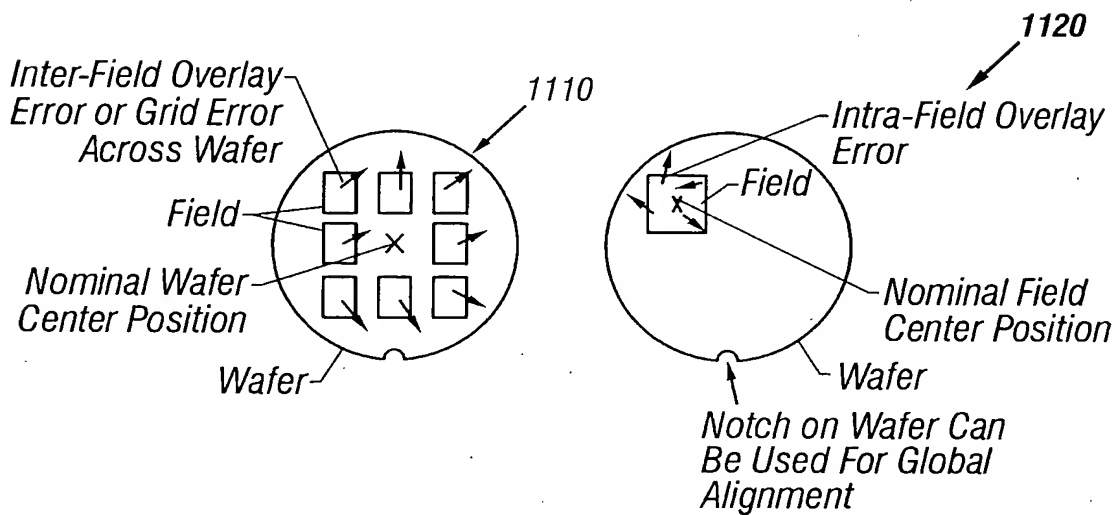


FIG. 11A

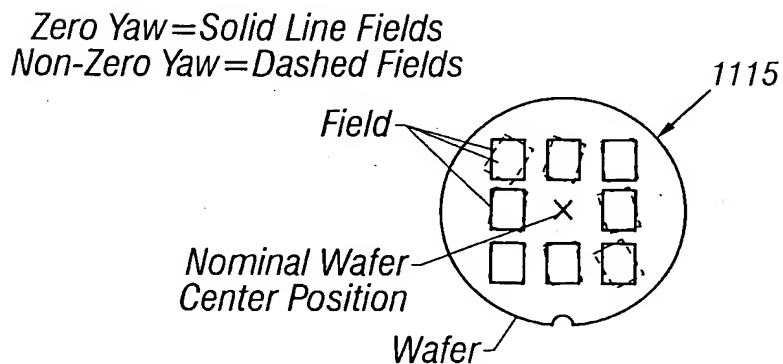
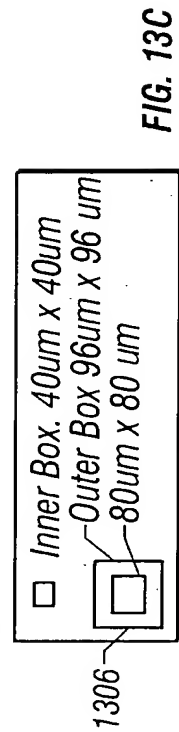
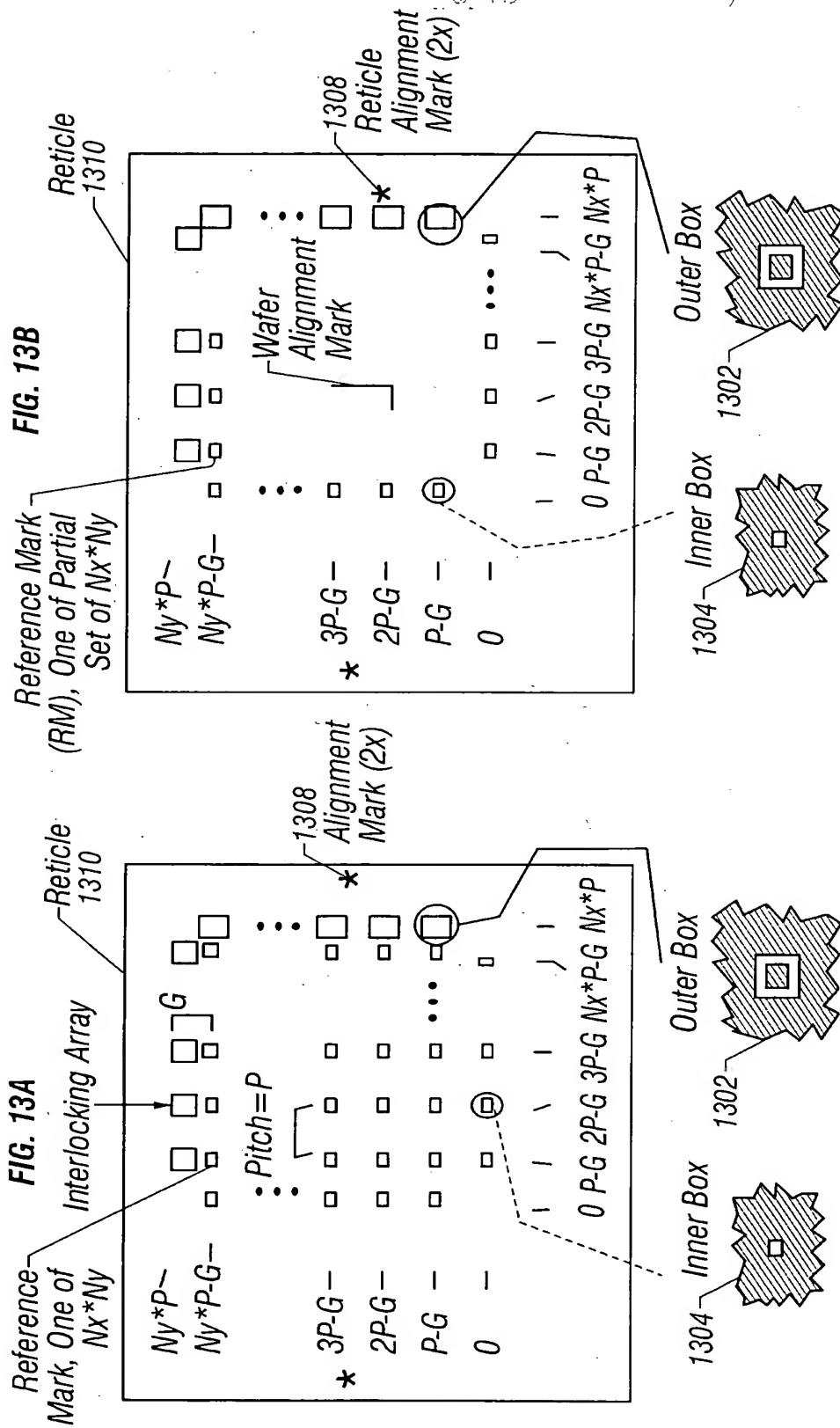


FIG. 11B



FIG. 12



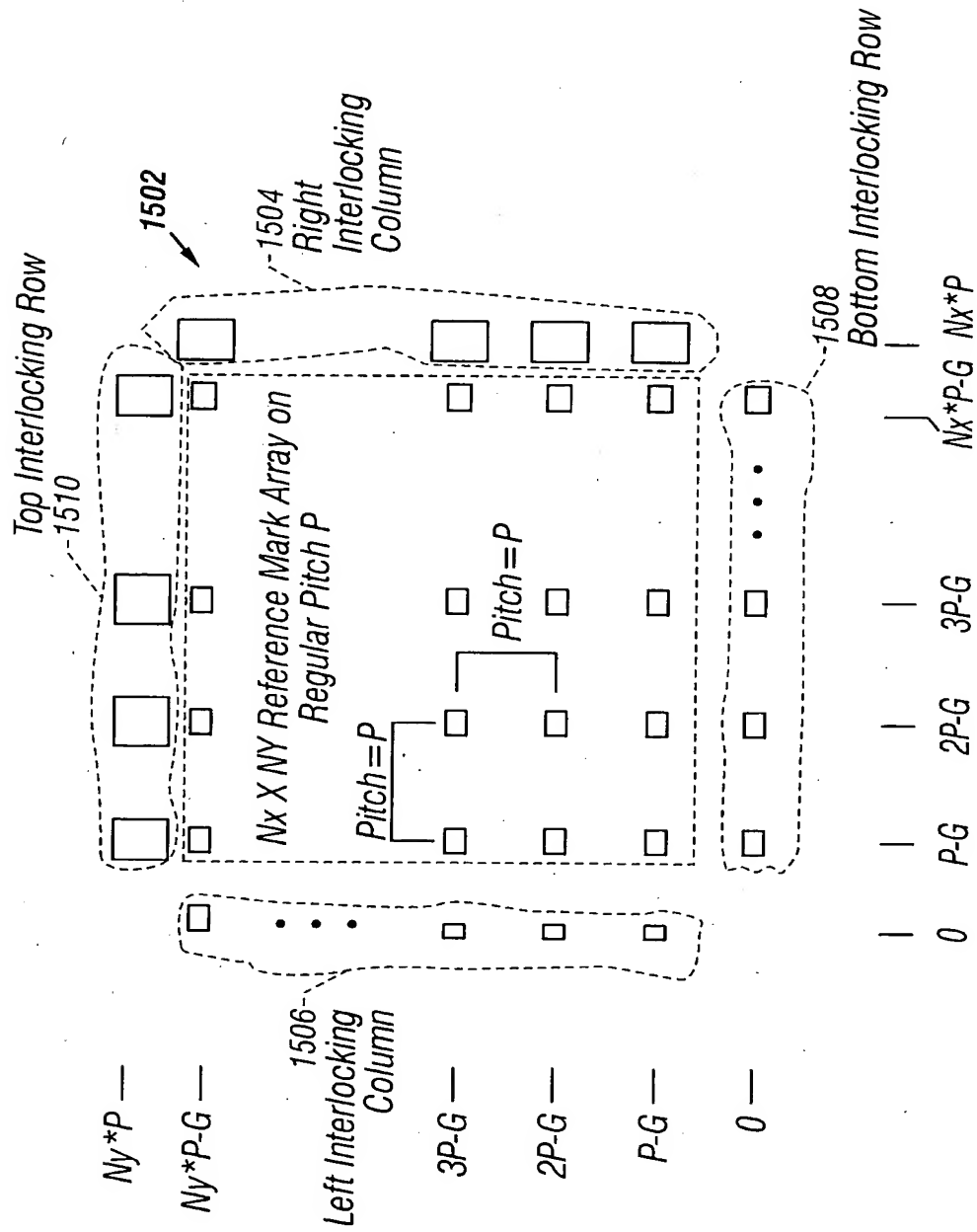


FIG. 15

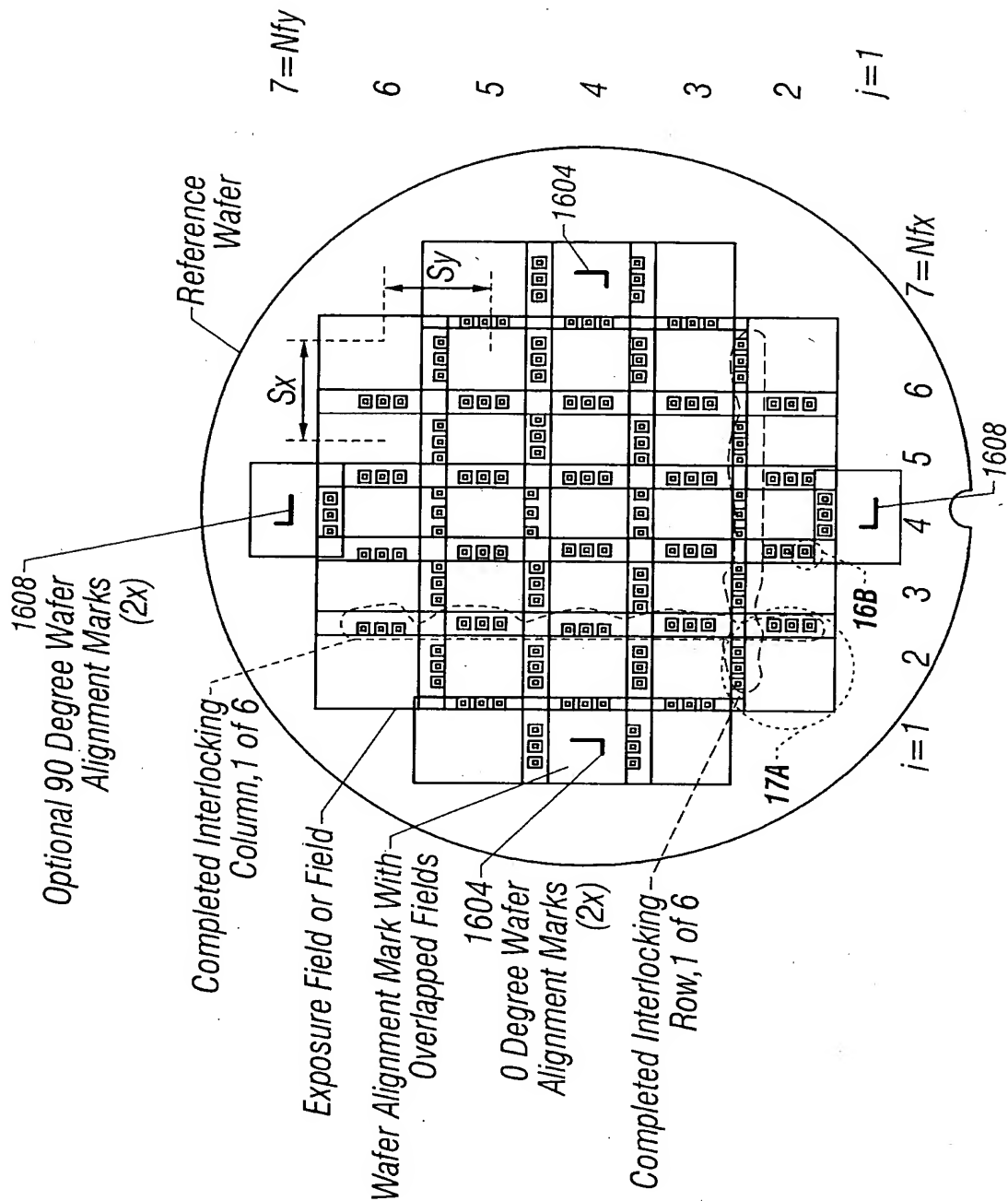


FIG. 16A

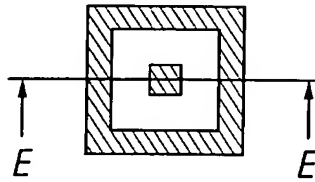


FIG. 16B

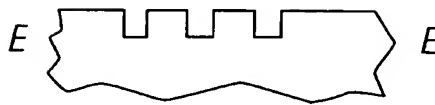


FIG. 16C

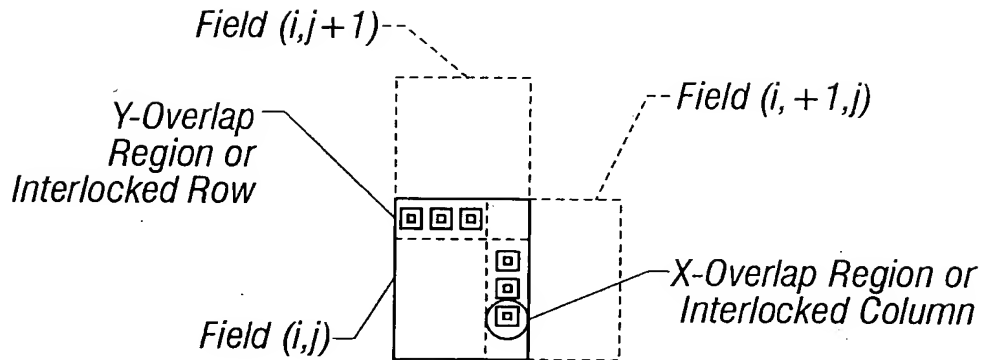


FIG. 17A

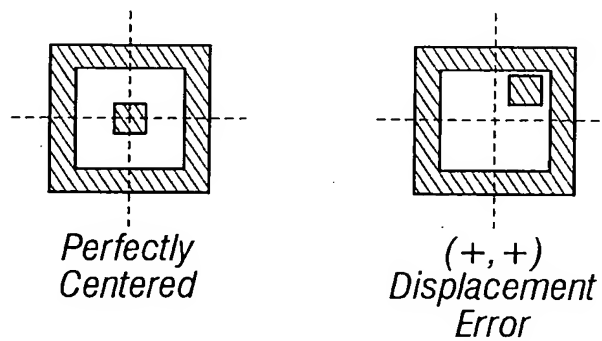


FIG. 17B

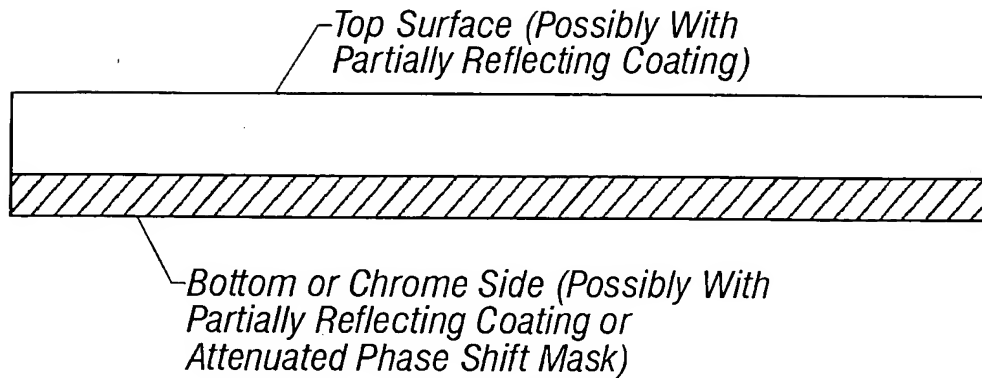


FIG. 14

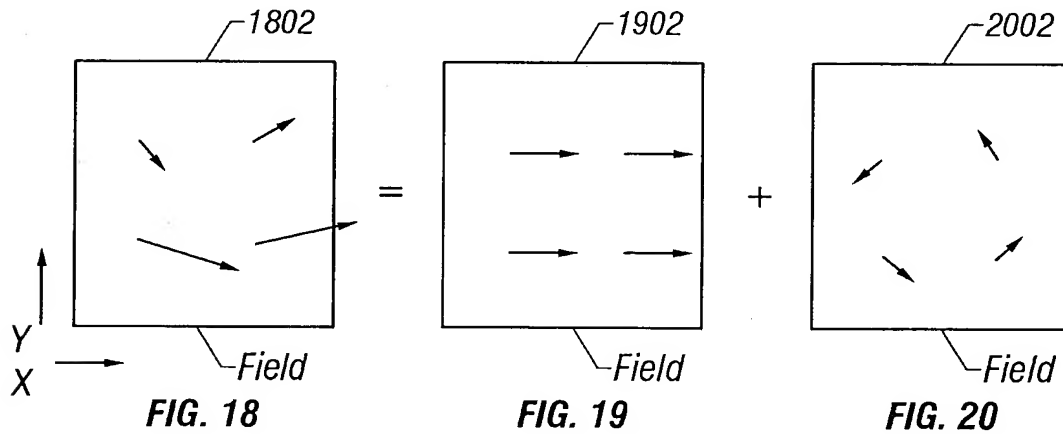


FIG. 21

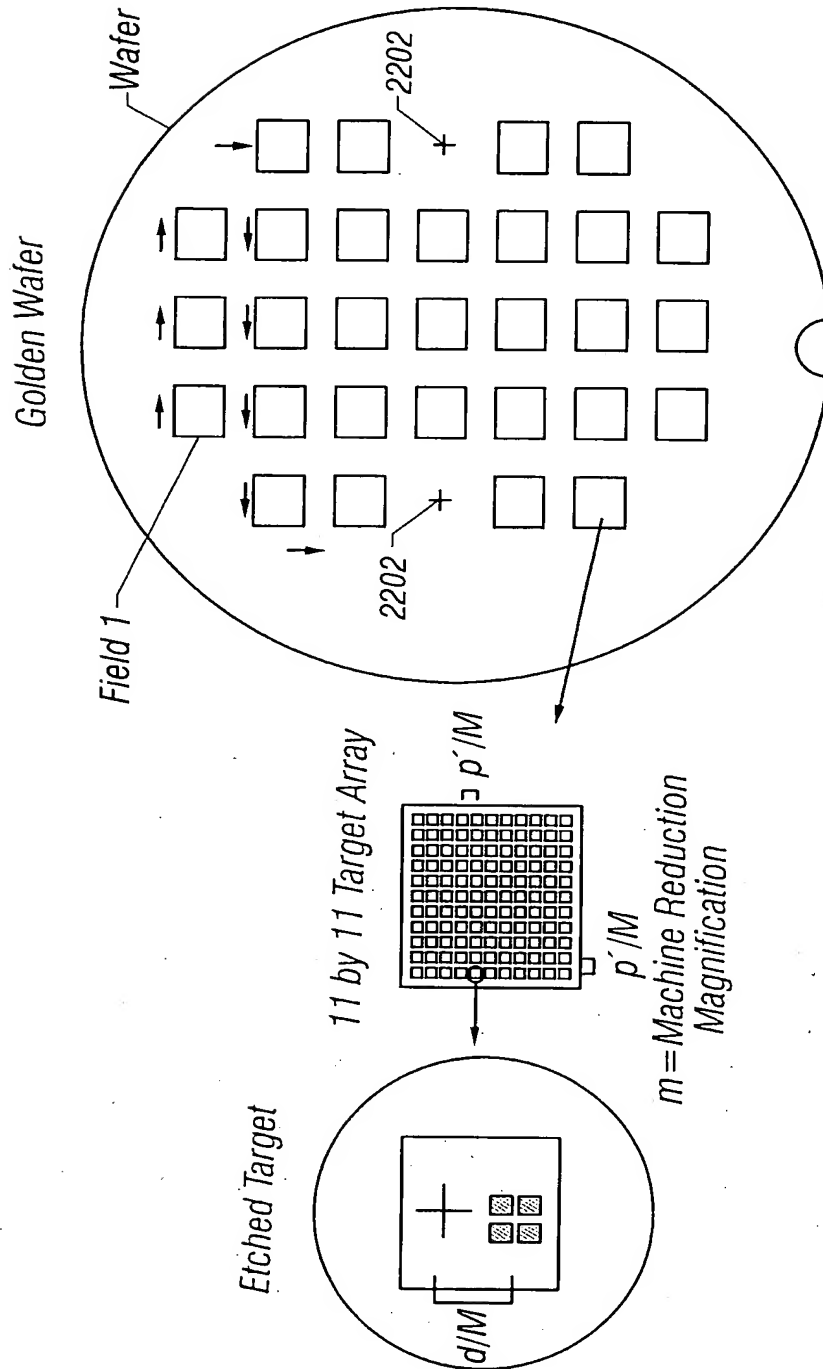


FIG. 22

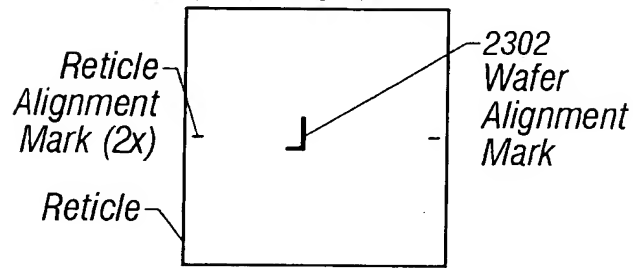


FIG. 23

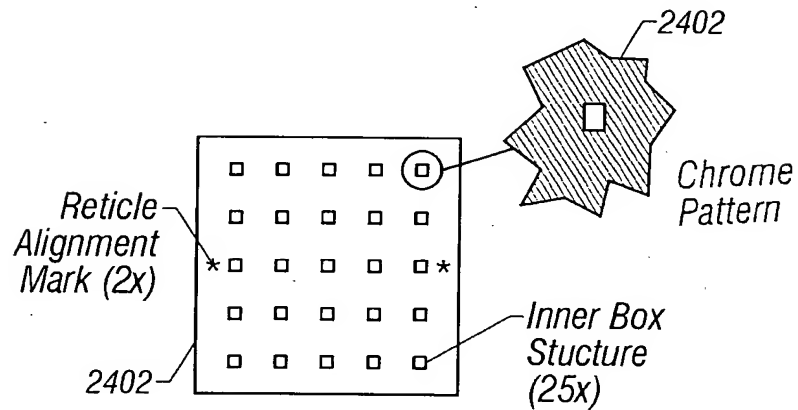


FIG. 24

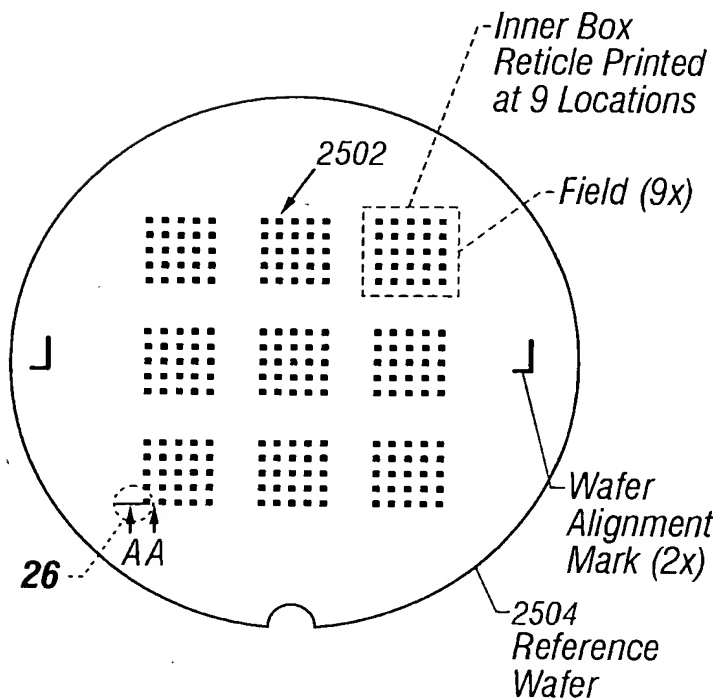


FIG. 25

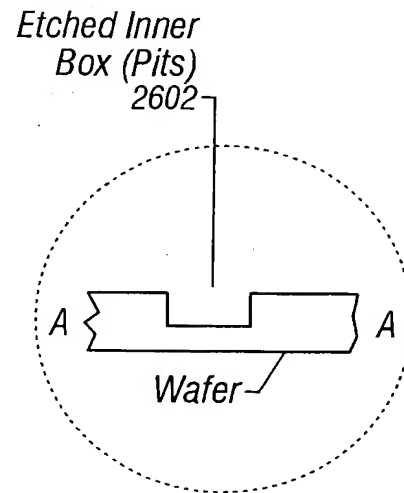
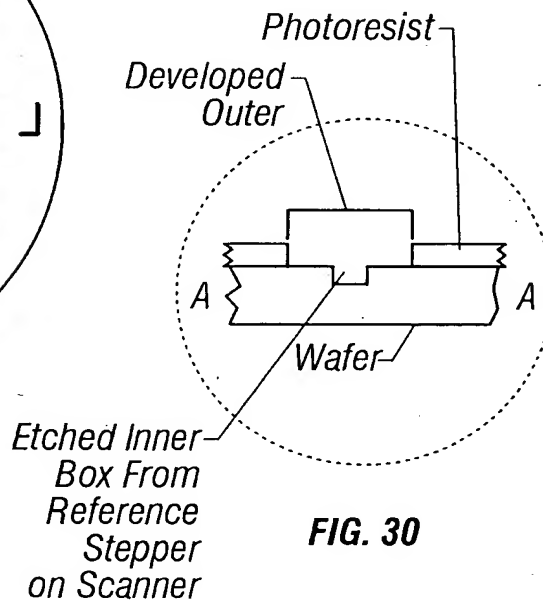
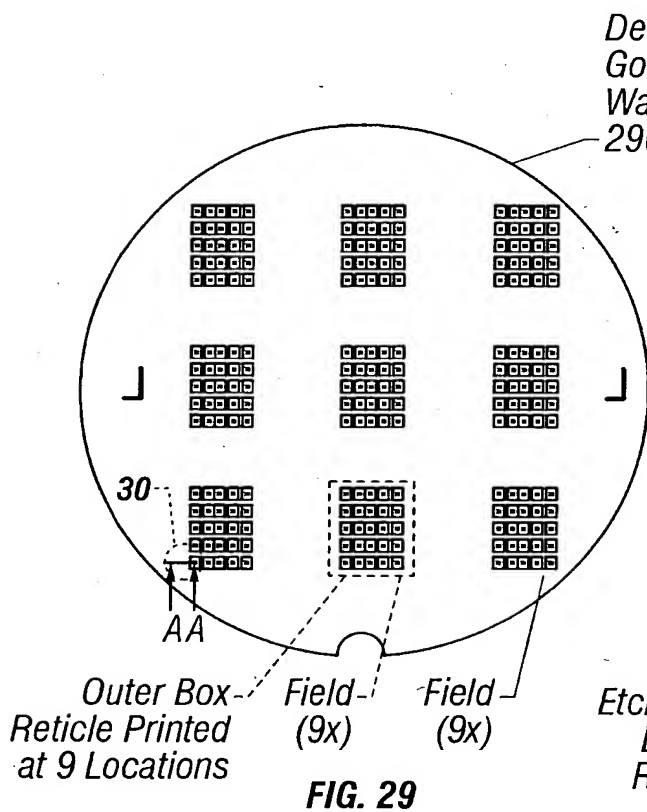
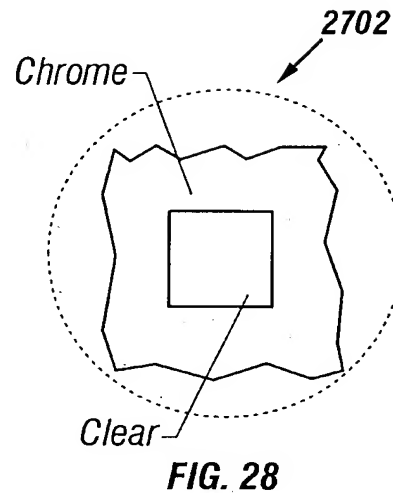
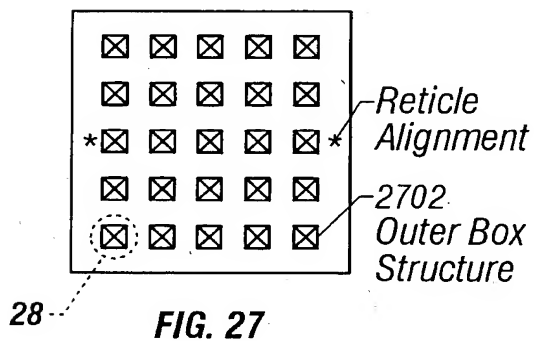
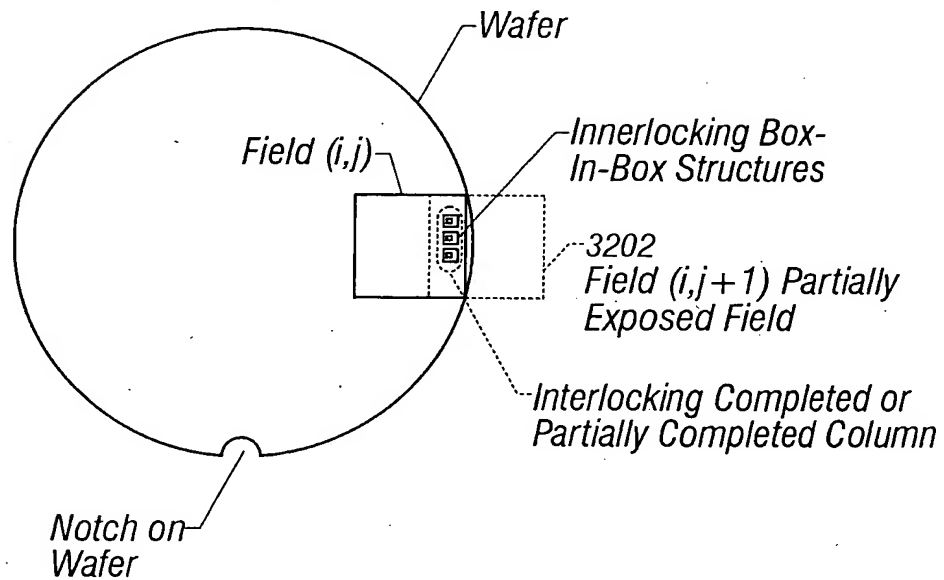
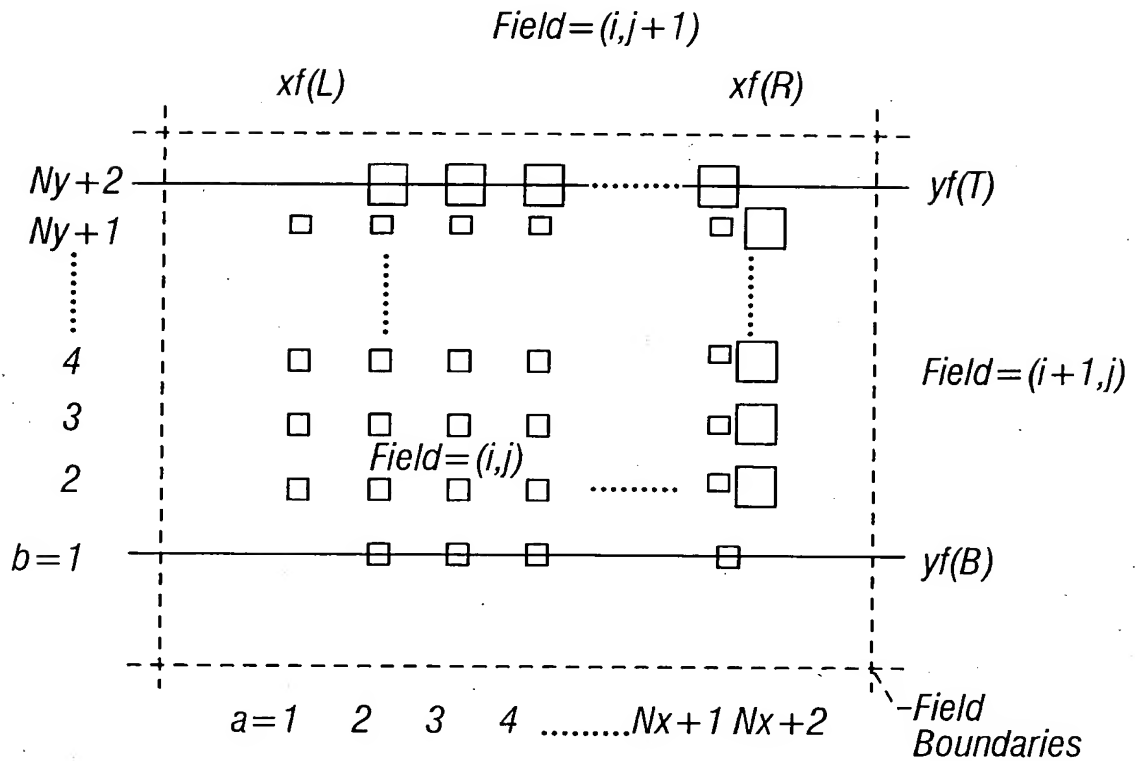


FIG. 26





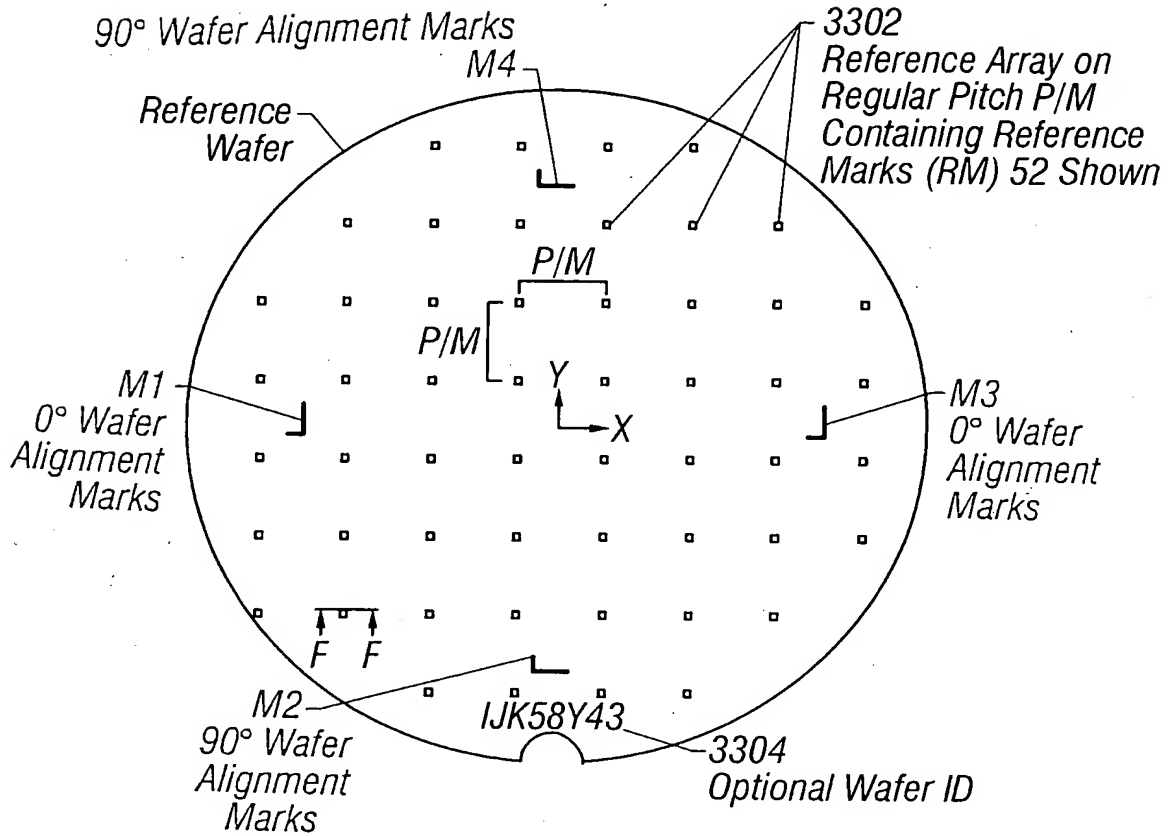
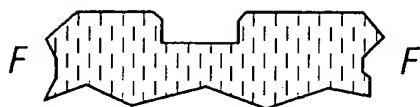


FIG. 33

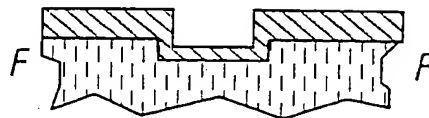
Feature	xG	yG	dx	dy
M1	-95.000000	0.000000	0.000050	-0.000037
M2	0.000000	-95.000000	-0.000387	0.000298
M3	95.000000	0.000000	0.000499	-0.000799
M4	0.000000	95.000000	0.000174	0.000274
RM	10.000000	10.000000	0.000598	0.000420
RM	10.000000	20.000000	0.000495	-0.000229
⋮	⋮	⋮	⋮	⋮
RM	-60.000000	-80.000000	0.000339	0.000449

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 Entries For Wafer
 of Figure 33

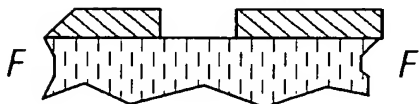
FIG. 34



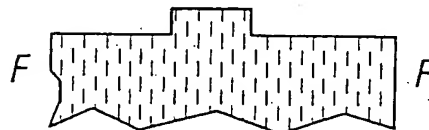
Pits in Wafer
FIG. 35A



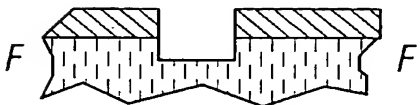
Pits in Wafer Overcoated
FIG. 35D



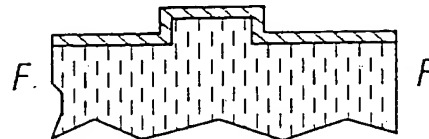
Pits in Overcoating
FIG. 35B



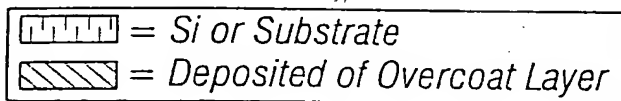
Mound in Wafer
FIG. 35E



Pits in Overcoating & Wafer
FIG. 35C



Overcoated Mound on Wafer
FIG. 35F



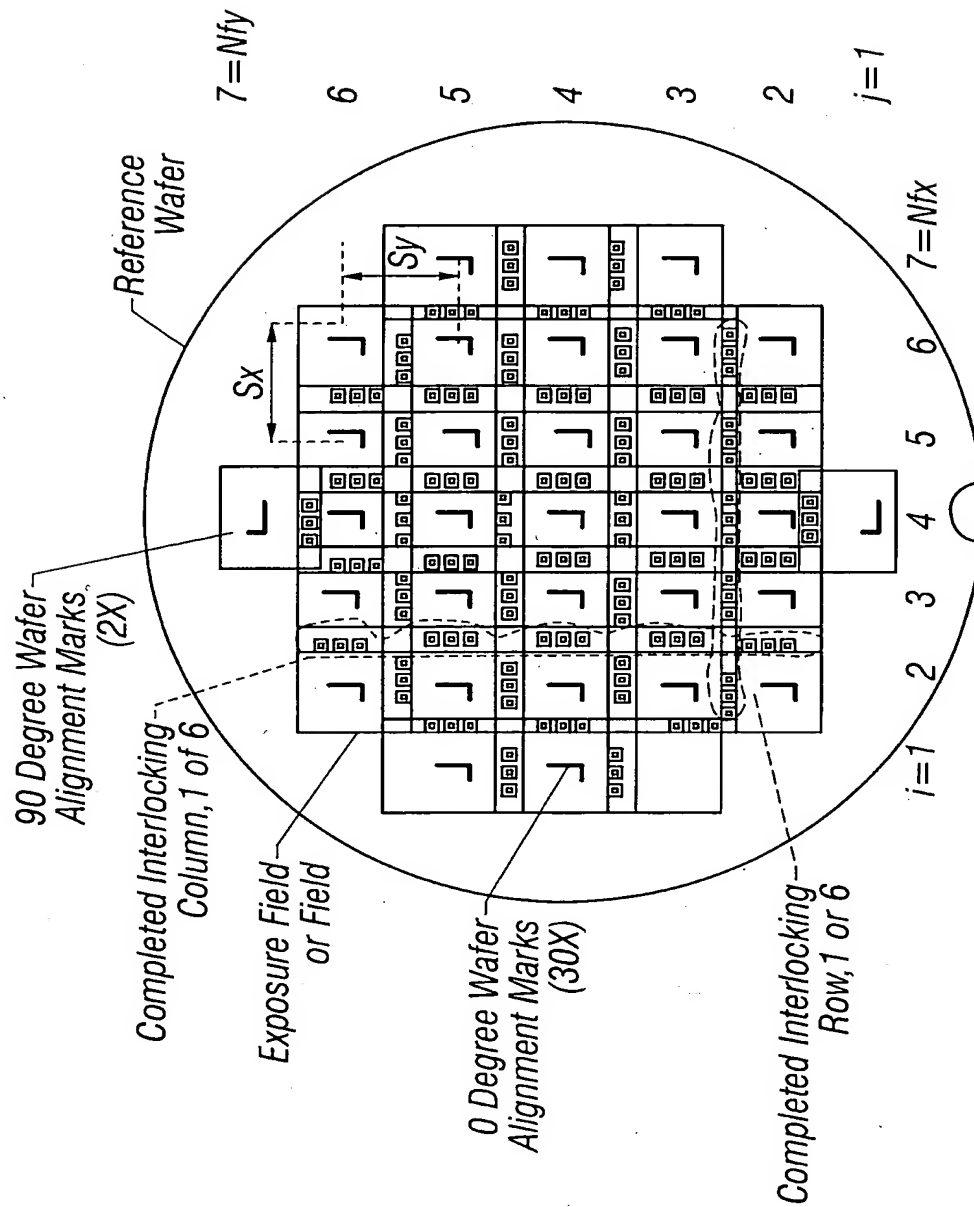


FIG. 36